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Topics in Modal Analysis & Parameter Identification I, Vol. 9

Proceedings of the 43rd IMAC, A Conference and Exposition on Structural Dynamics 2025

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Description:

Topics in Modal Analysis, Testing & Parameter Identification I, Volume 9: Proceedings of the 43rd IMAC, A Conference and Exposition on Structural Dynamics, 2025, the nineth volume of twelve from the Conference brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of Modal Analysis, Modal Testing including papers on:

- Analytical Methods
- Modal Applications
- Basics of Modal Analysis
- Experimental Techniques
- Multi Degree of Freedom Testing
- Boundary Conditions in Environmental Testing
- Operational Modal Analysis
- Novel Techniques

Keywords: OMA, harmonics, system identification, ODS-FRF, neural network, OMA mode shape, Electrodynamic shaker, Model Updating, Vibrations